

4.2.G. 0801020807.

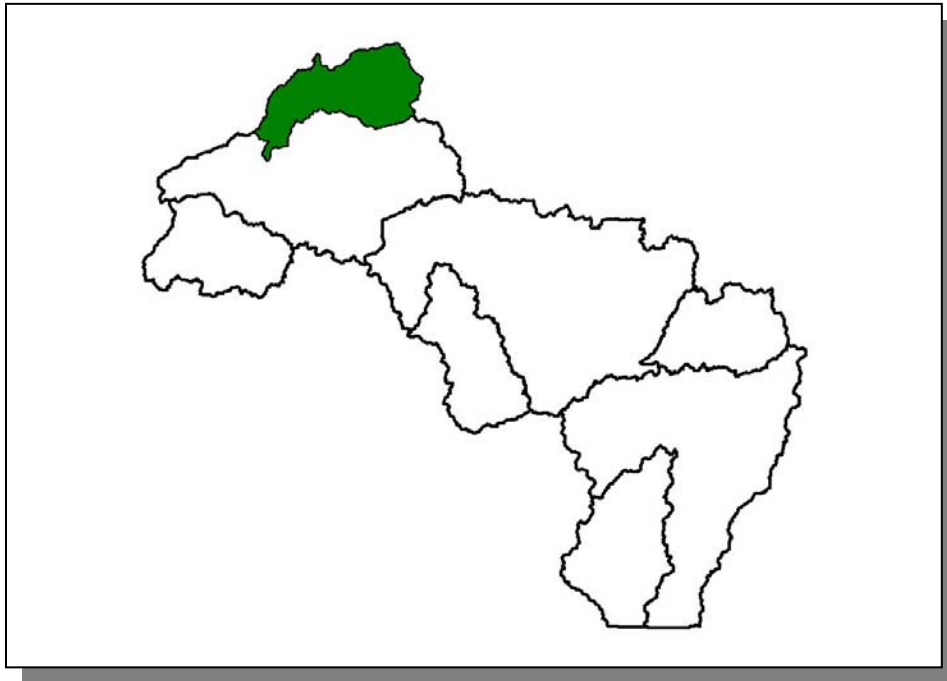


Figure 4-255. Location of Subwatershed 0801020807. All Hatchie River HUC-10 subwatershed boundaries in Tennessee are shown for reference.

4.2.G.i. 080102080701 (Upper Cane Creek).

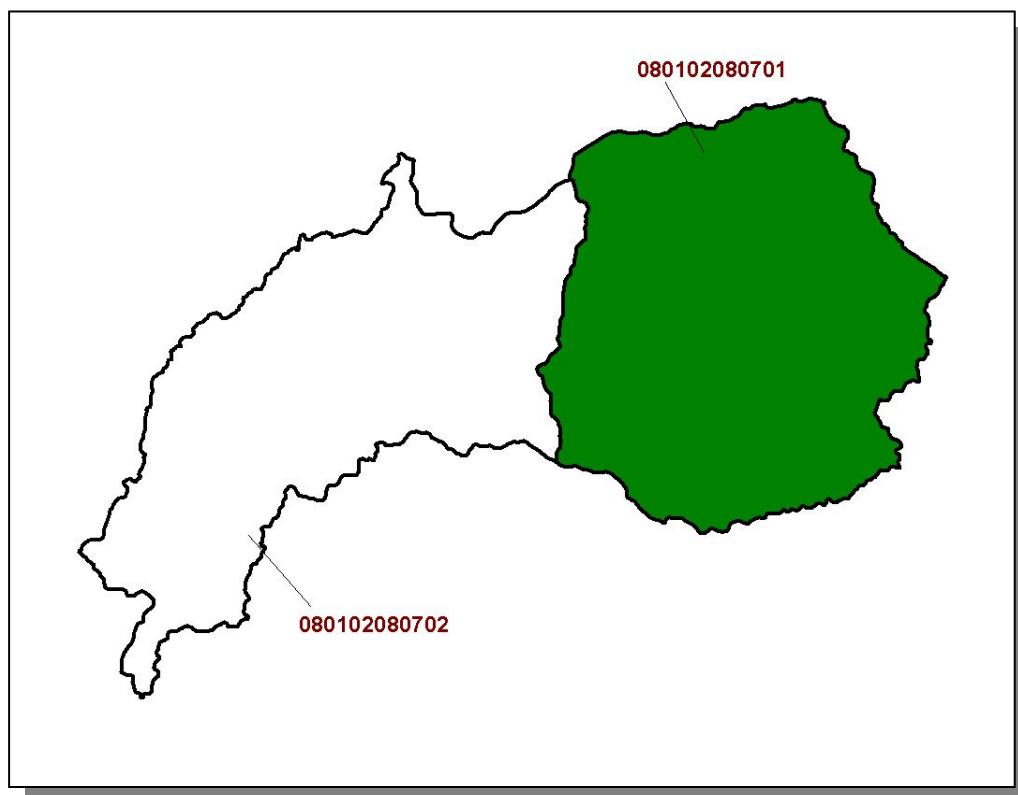


Figure 4-256. Location of Subwatershed 080102080701. All HUC-12 subwatershed boundaries in Tennessee are shown for reference.

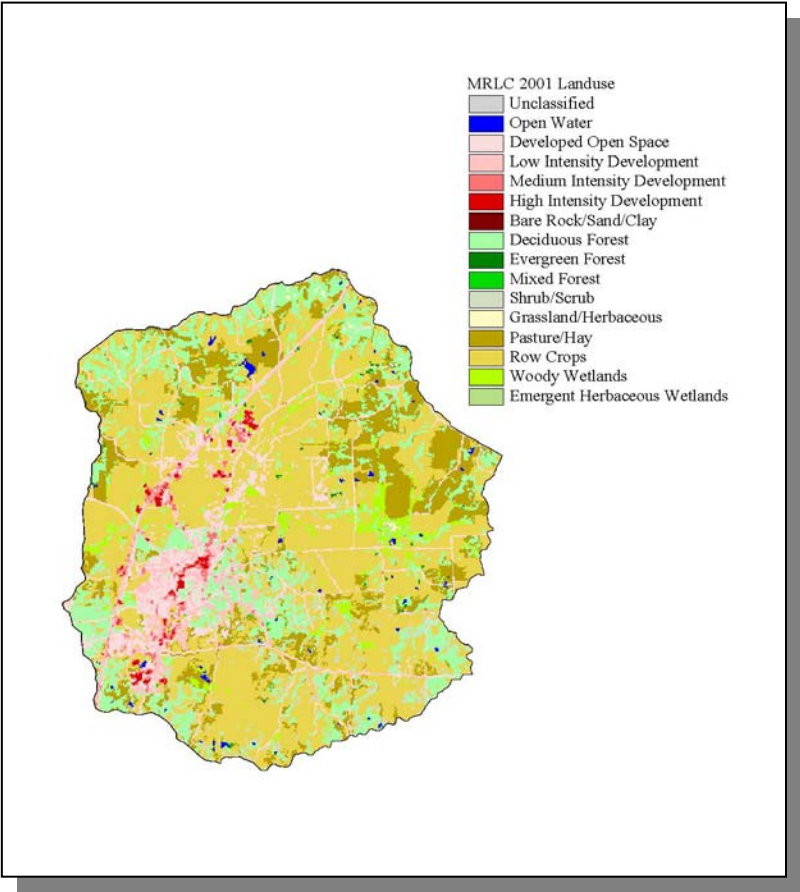


Figure 4-257. Illustration of Land Use Distribution in Subwatershed 080102080701.

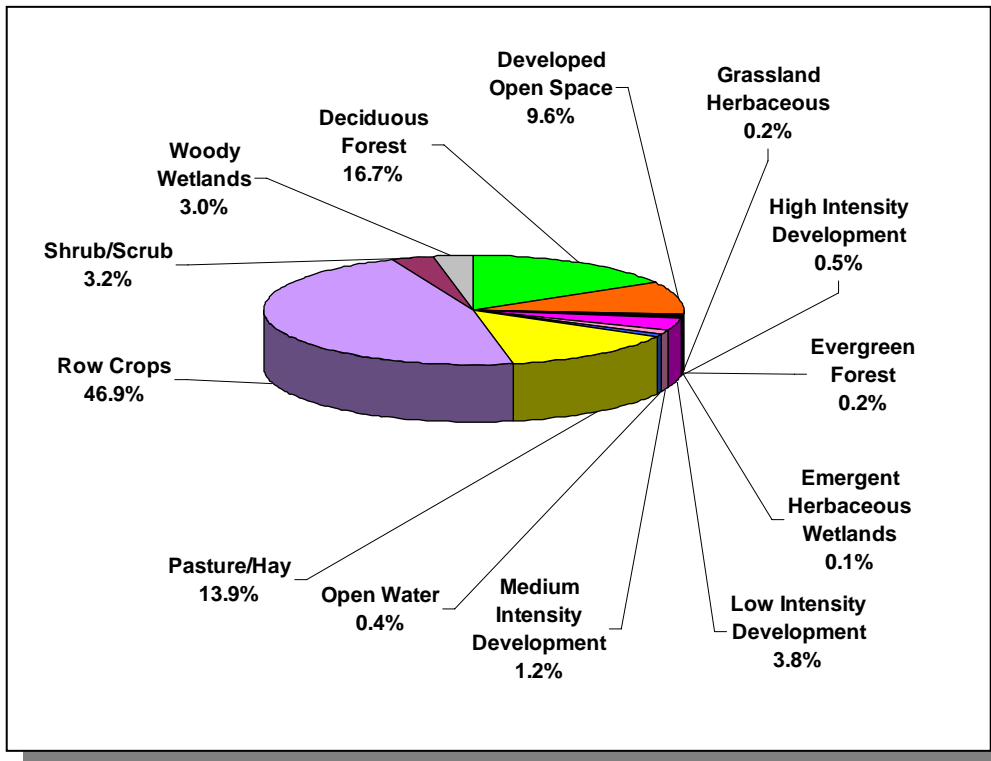


Figure 4-258. Land Use Distribution in Subwatershed 080102080701. More information is provided in Appendix IV.

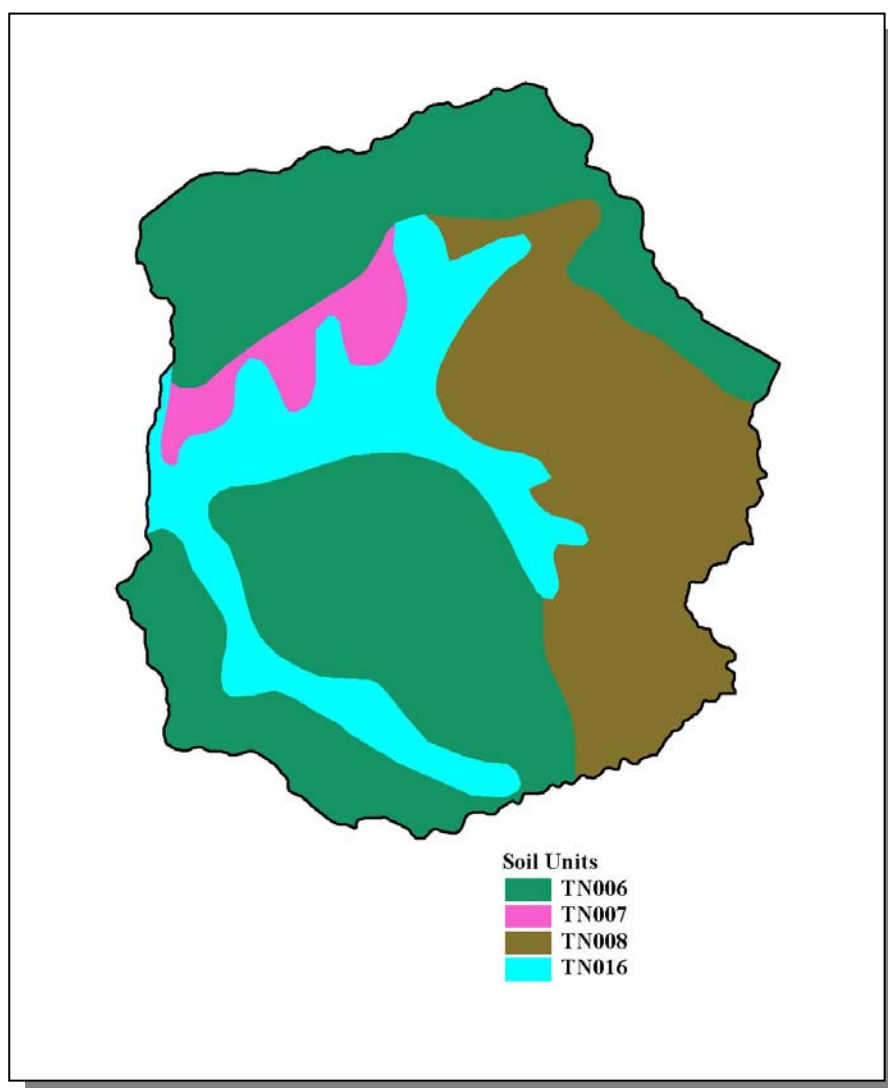


Figure 4-259. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080701.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN016	0.00	C	1.30	6.47	Silty Loam	0.44

Table 4-234. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080701. The definition of "Hydrologic Group" is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Haywood	19,437	19,709	19,797	0.08	15	15	15	0.0
Lauderdale	23,491	24,128	27,101	9.07	2,130	2,188	2,457	15.4
Total	42,928	43,837	46,898		2,145	2,203	2,472	15.2

Table 4-235. Population Estimates in Subwatershed 080102080701.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Ripley	Lauderdale	6,188	2,490	2,420	51	19

Table 4-236. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102080701.

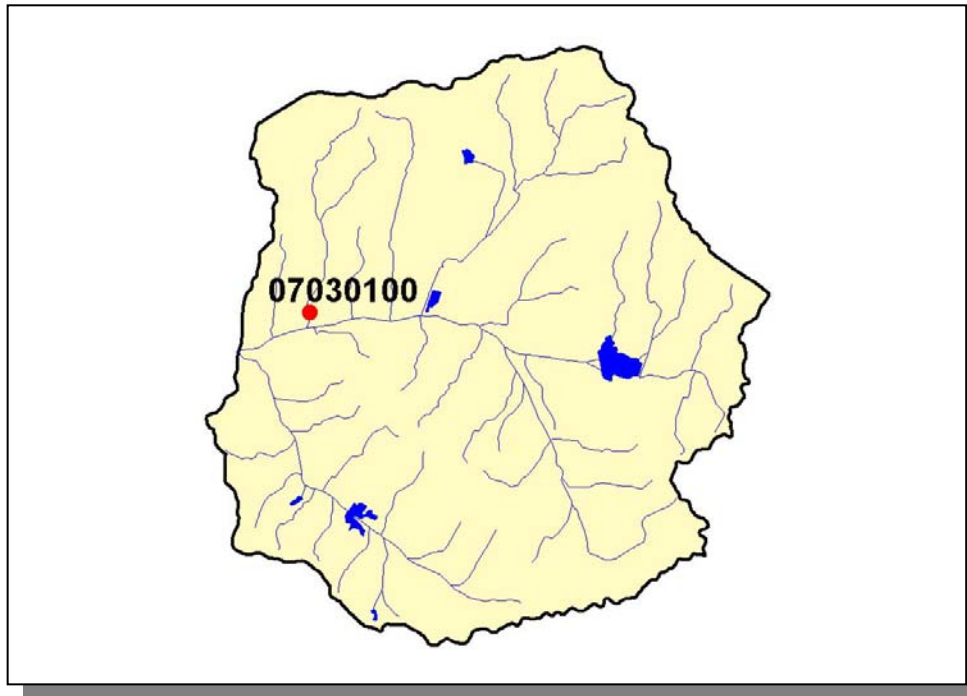


Figure 4-260. Location of Historical Streamflow Data Collection Sites in Subwatershed 080102080701. More information is provided in Appendix IV.

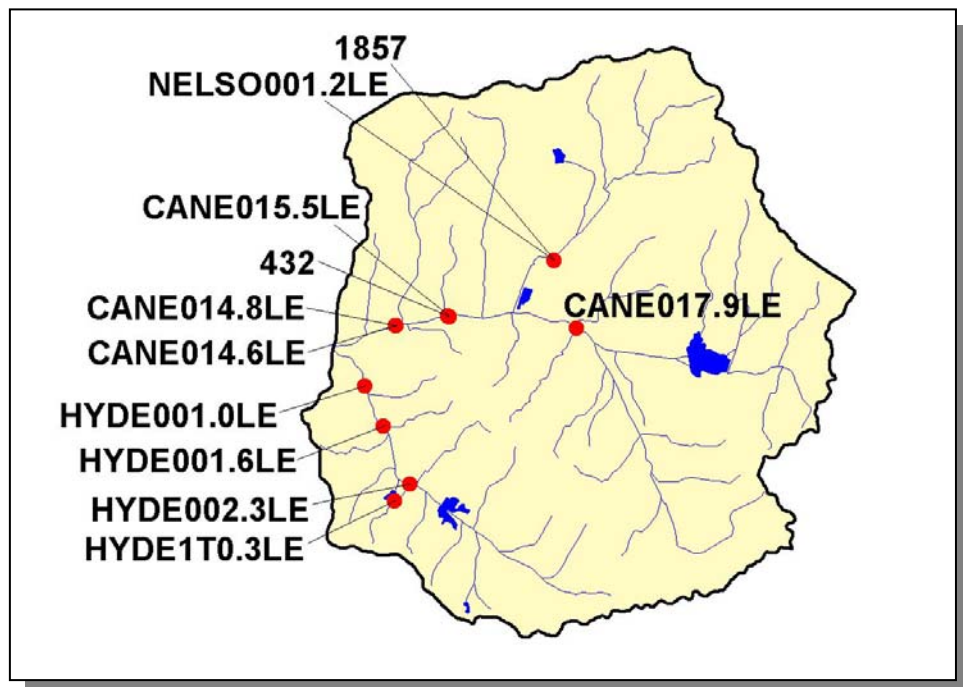


Figure 4-261. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080701. More information, including site names and locations, is provided in Appendix IV.

4.2.G.i.a. Point Source Contributions.

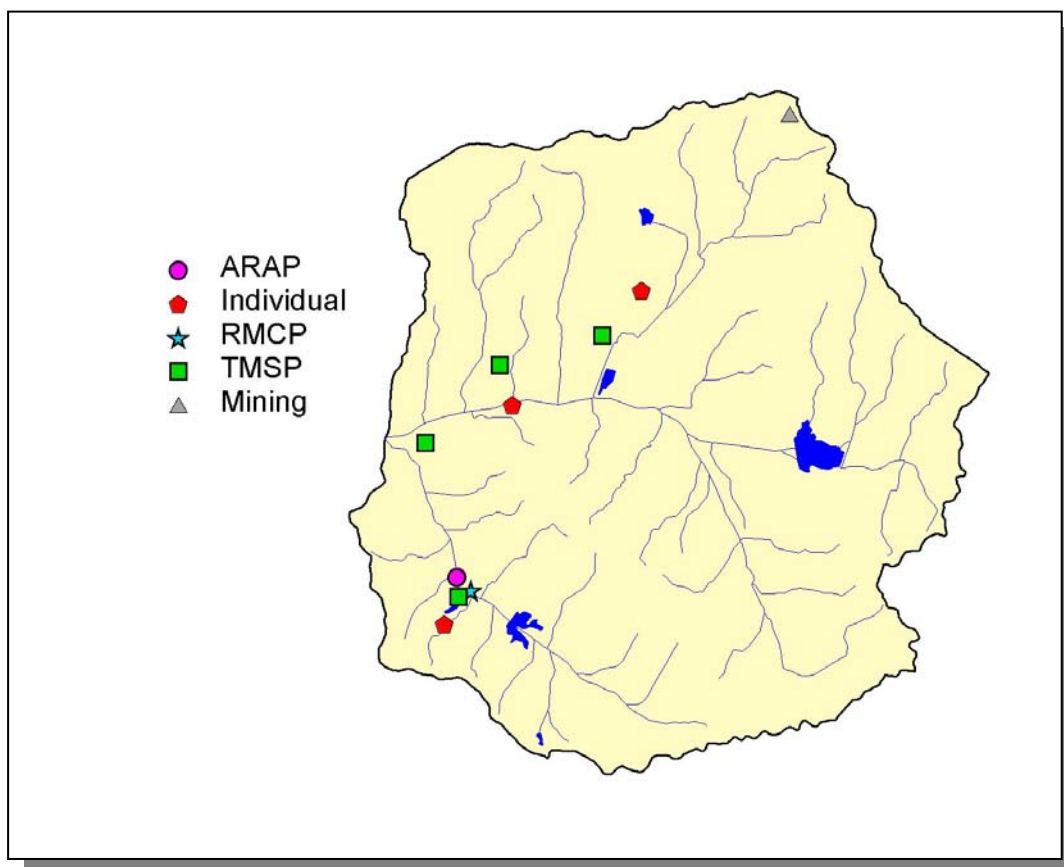


Figure 4-262. Location of Permits Issued in Subwatershed 080102080701. More information, including the names of facilities, is provided in Appendix IV.

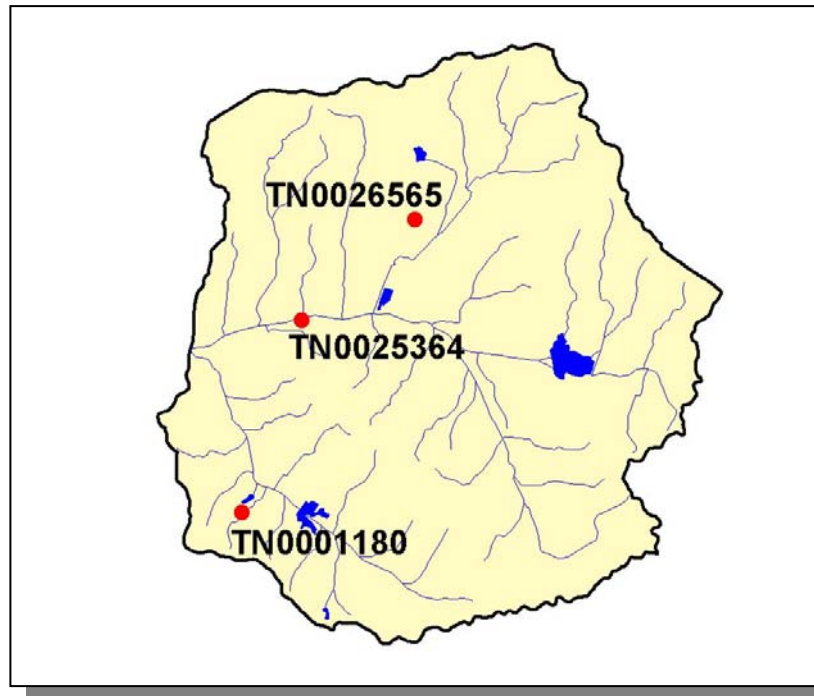


Figure 4-263. Location of Active NPDES Sites in Subwatershed 080102080701. More information, including the names of facilities, is provided in Appendix IV.

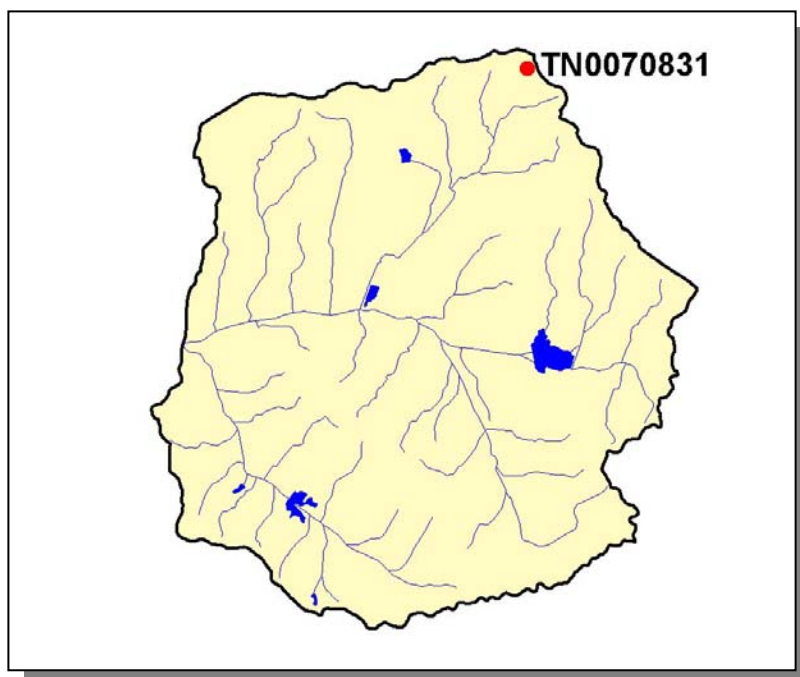


Figure 4-264. Location of Active Mining Sites in Subwatershed 080102080701. More information, including the names of mining operations, is provided in Appendix IV.

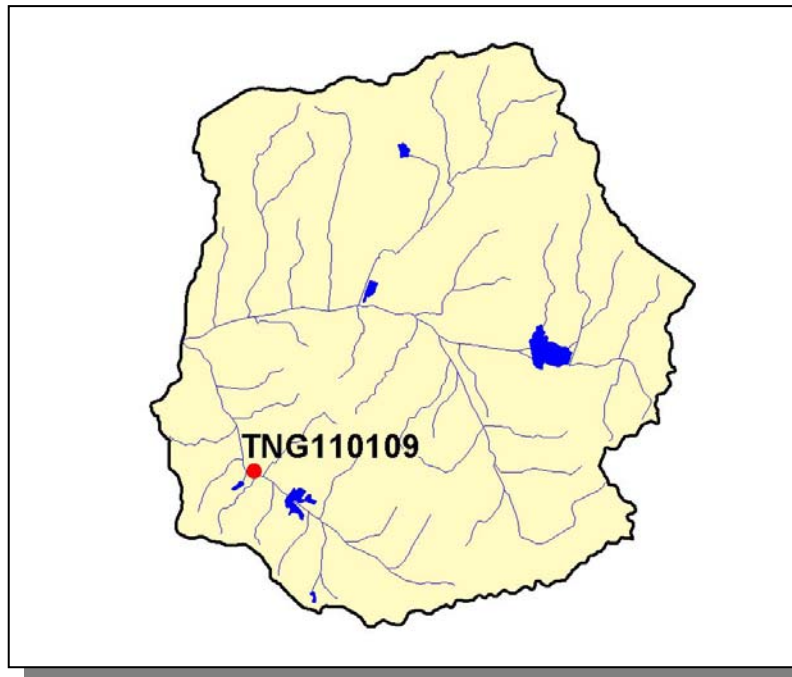


Figure 4-265. Location of Ready Mix Concrete Plants (RMCP) in Subwatershed 080102080701. More information is provided in Appendix IV.

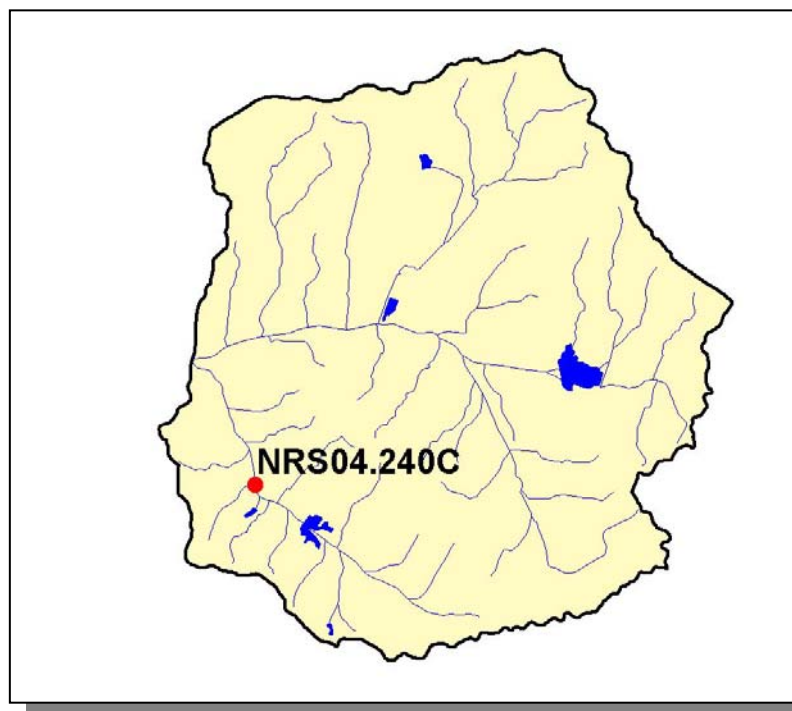


Figure 4-266. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 080102080701. More information is provided in Appendix IV.

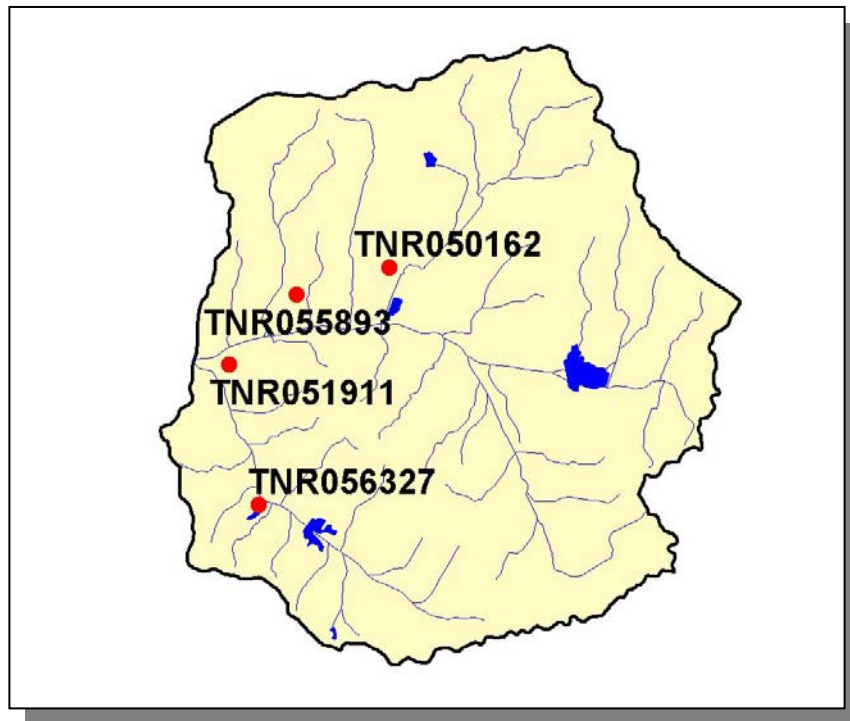


Figure 4-267. Location of TMSP Sites in Subwatershed 080102080701. More information, including the names of facilities, is provided in Appendix IV.

4.2.G.i.a.i. Dischargers to Water Bodies Listed on the 2004 303(d) List

There are two NPDES facilities discharging to water bodies listed on the 2004 303(d) list in Subwatershed 080102080701:

- TN0001180 (Siegal-Robert Automotive) discharges to an unnamed tributary @ RM 0.6 to Hyde Creek @ RM 2.3
- TN0025364 (Ripley STP) discharges to Cane Creek @ RM 15.4

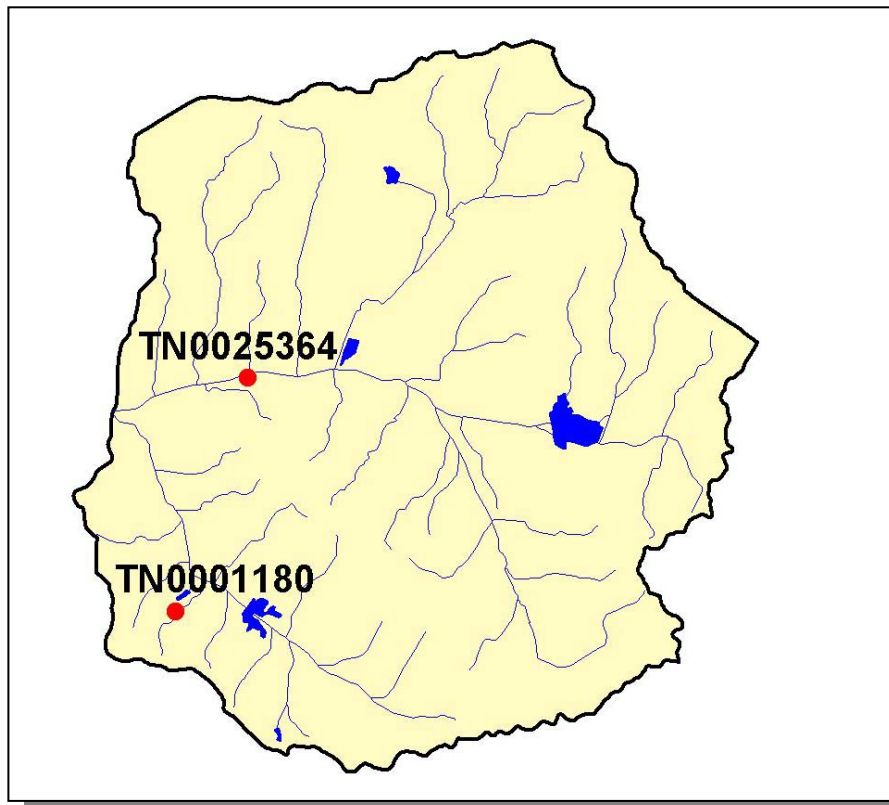


Figure 4-268. Location of NPDES Dischargers to Water Bodies Listed on the 2004 303(d) List in Subwatershed 080102080701. More information, including the names of facilities, is provided in Appendix IV.

PERMIT #	3Q2	1Q10	3Q10	3Q20	7Q10
TN0001180	0.01	na	0.00	0.00	0.00
TN0025364	0.01	na	0.00	0.00	0.00

Table 4-237. Receiving Stream Low Flow Information for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 080102080701. Data are in cubic feet per second (CFS). Data were obtained from the USGS web application StreamStats at <http://water.usgs.gov/osw/streamstats/>. (na, data not available)

PERMIT #	NO ₃	NO ₂	Zn	Cu	Ni	Cd	Hg	Se	As	Mo	FLOW	TEMPERATURE
TN0001180	X	X									X	X
TN0025364	X		X	X	X	X	X	X	X	X	X	

Table 4-238. Monitoring Requirements for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 080102080701.

PERMIT #	WET	CBOD ₅	NH ₃	Se	Cl ⁻	HARDNESS	TSS	SETTLABLE SOLIDS	CN	DO	pH
TN0001180	X	X		X	X	X	X		X	X	X
TN0025364	X	X	X				X	X		X	X

Table 4-239. Inorganic Parameters Monitored for Daily Maximum Limits for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 080102080701. WET, Whole Effluent Toxicity; CBOD₅, Carbonaceous Biochemical Oxygen Demand (5-Day); TRC, Total Residual Chlorine; TSS, Total Suspended Solids; DO, Dissolved Oxygen.

PERMIT #	Pb	Zn	Cr	Cu	Ni	Cd	Ag
TN0001180	X	X	X	X	X	X	X
TN0025364	X						

Table 4-240. Metals Monitored for Daily Maximum Limits for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 080102080701.

PERMIT #	OIL and GREASE
TN0025364	X

Table 4-241. Oil and Grease Monitored for Daily Maximum Limits for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 080102080701.

PERMIT #	E. coli	FECAL COLIFORM
TN0025364	X	X

Table 4-242. Bacteria Monitored for Daily Maximum Limits for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 080102080701.

4.2.G.i.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS				
Beef Cow	Cattle	Chickens (Layers)	Hogs	Sheep
4	1,636	<5	441	<5

Table 4-243. Summary of Livestock Count Estimates in Subwatershed 080102080701. According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Haywood	3,442	6,220	29	237	1,740	12
Lauderdale	0	8,739	0	243	2,355	11

Table 4-244. Summary of Livestock Count Estimates in Haywood and Lauderdale Counties. According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	2.25
Grass (Hayland)	0.40
Legumes, Grass (Hayland)	0.58
Legumes (Hayland)	0.65
Grass, Forbs, Legumes (Mixed Pasture)	2.38
Corn (Row Crops)	14.70
Cotton (Row Crops)	13.52
Sorghum (Row Crops)	4.02
Soybeans (Row Crops)	13.45
Wheat (Close-Grown Cropland)	9.27
All Other Close-Grown Cropland	3.08
Fruit (Horticultural)	0.76
Other Vegetable and Truck Crops	4.00
Summer Fallow (Other Cropland)	8.70
Other Cropland not Planted	0.85
Conservation Reserve Program Lands	1.78
Other Land in Farms	0.05
Farmsteads and Ranch Headquarters	0.09

Table 4-245. Annual Estimated Total Soil Loss in Subwatershed 080102080701.

4.2.G.ii. 080102080702 (Lower Cane Creek).

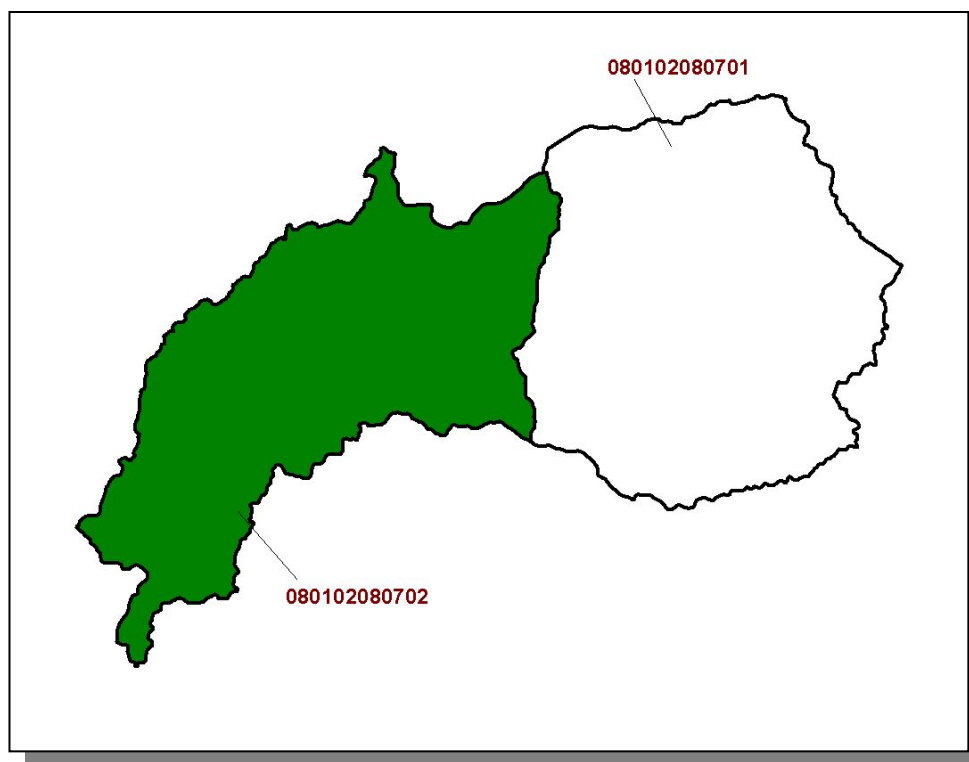


Figure 4-269. Location of Subwatershed 080102080702. All HUC-12 subwatershed boundaries in Tennessee are shown for reference.

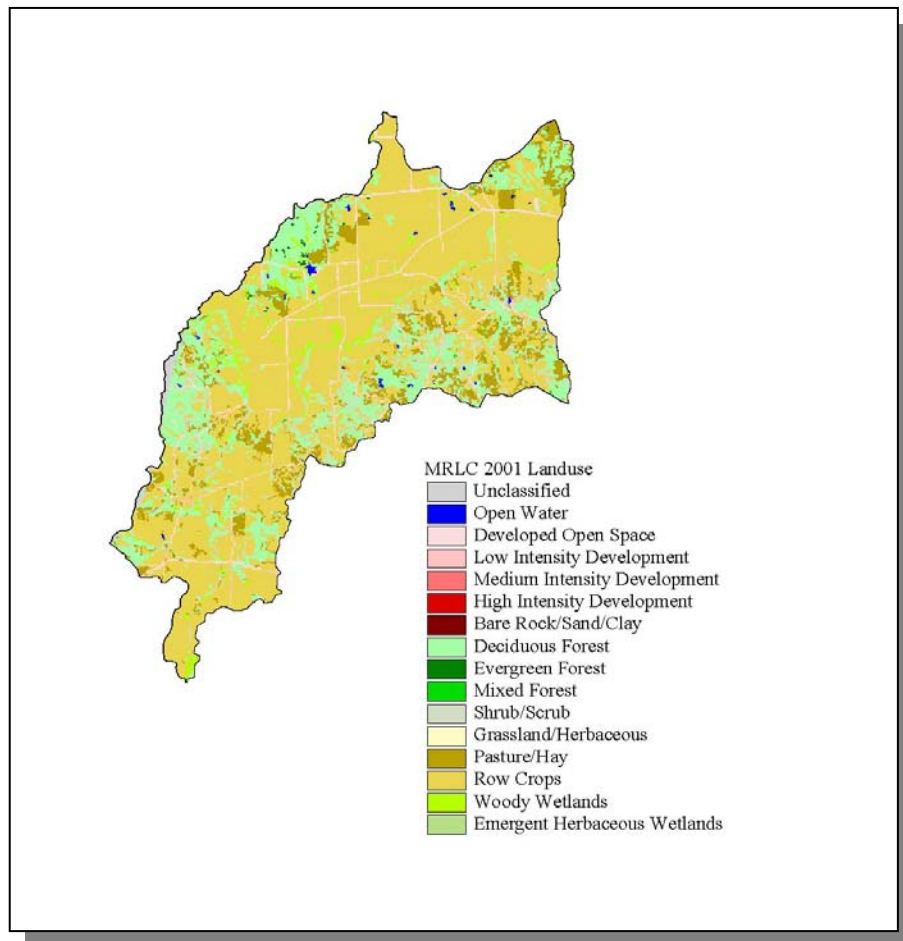


Figure 4-270. Illustration of Land Use Distribution in Subwatershed 080102080702.

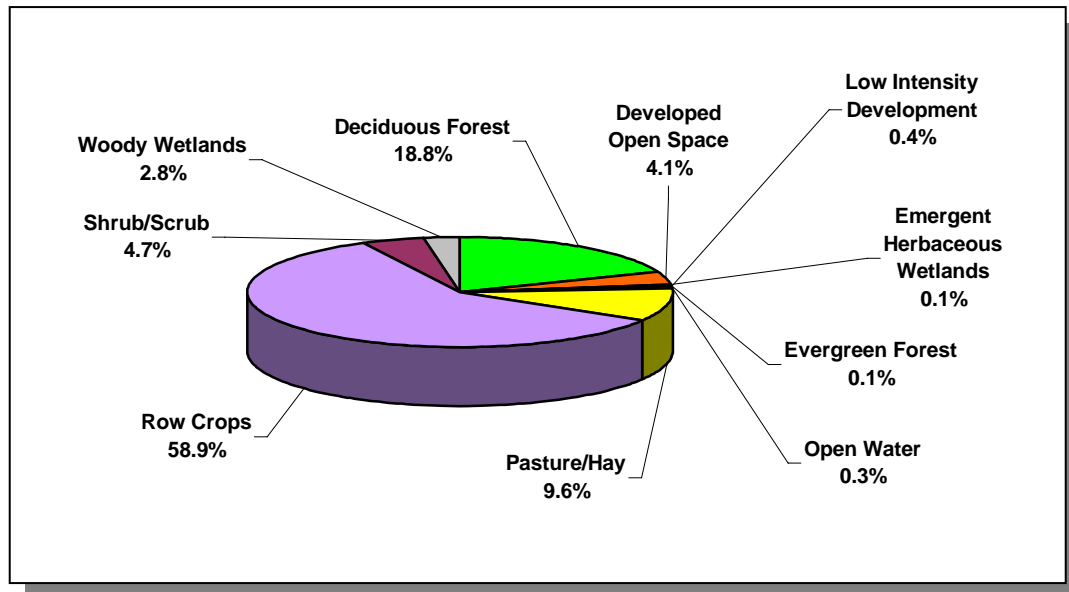


Figure 4-271. Land Use Distribution in Subwatershed 080102080702. More information is provided in Appendix IV.

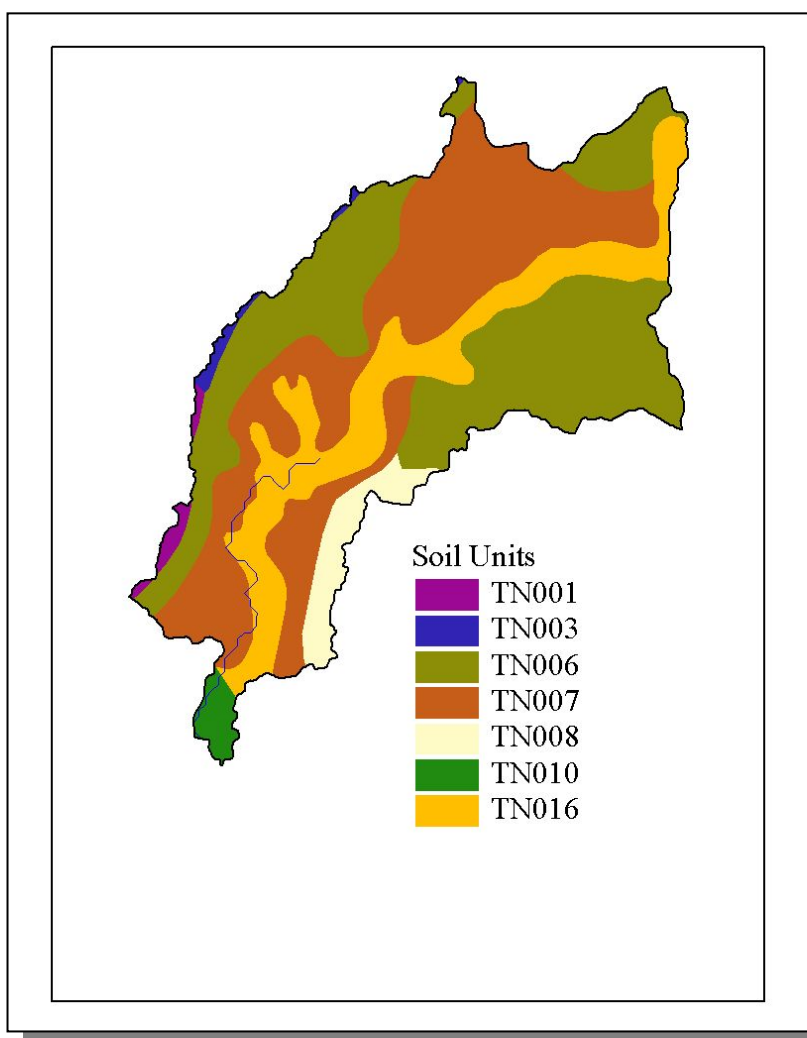


Figure 4-272. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080702.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN001	14.00	C	23.12	7.00	Silty Loam	0.33
TN003	62.00	C	0.50	6.65	Silty Clay	0.33
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN016	0.00	C	1.30	6.47	Silty Loam	0.44

Table 4-246. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080702. The definition of "Hydrologic Group" is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Lauderdale	23,491	24,128	27,101	8.23	1,932	1,985	2,229	15.4

Table 4-247. Population Estimates in Subwatershed 080102080702.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Ripley	Lauderdale	6,188	2,490	2,420	51	19

Table 4-248. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102080702.

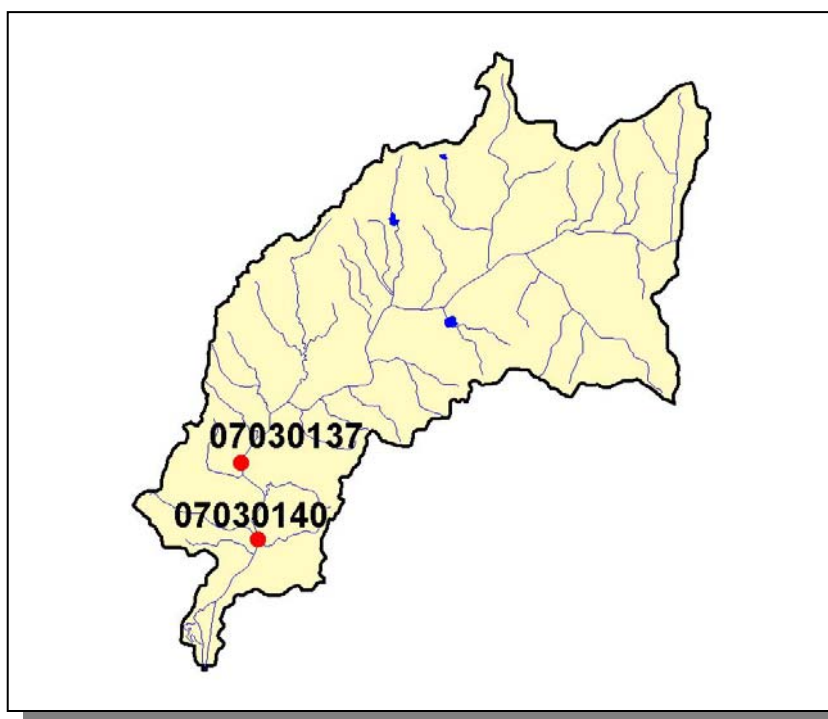


Figure 4-273. Location of Historical Streamflow Data Collection Sites in Subwatershed 080102080702. More information is provided in Appendix IV.

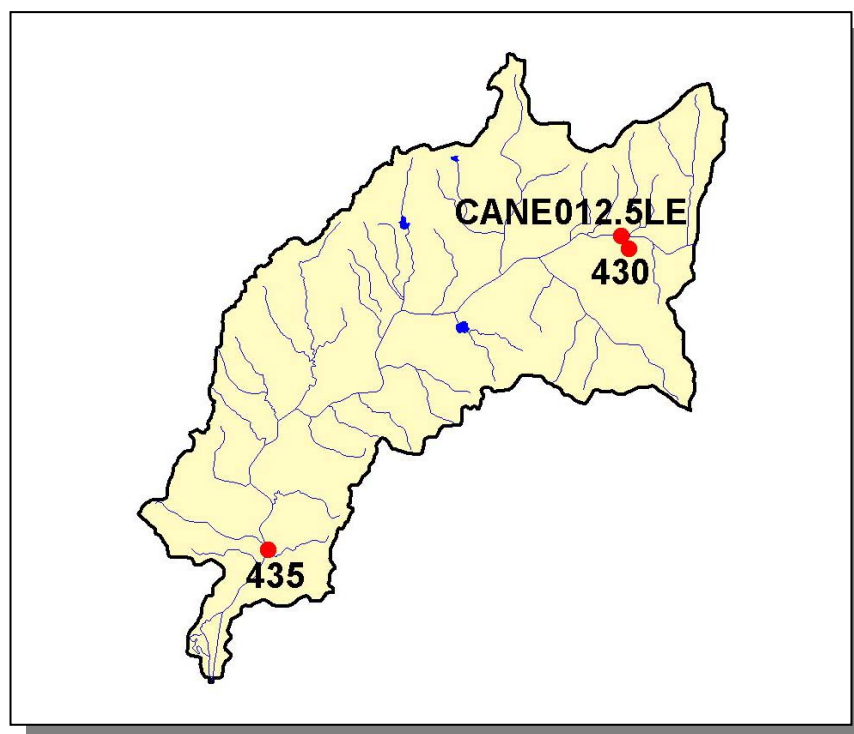


Figure 4-274. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080702. More information, including site names and locations, is provided in Appendix IV.

4.2.G.ii.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.G.ii.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS			
Beef Cow	Chickens (Layers)	Hogs	Sheep
1,433	<5	386	<5

Table 4-249. Summary of Livestock Count Estimates in Subwatershed 080102080702. According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

LIVESTOCK COUNTS				
County	Beef Cow	Chickens (Layers)	Hogs	Sheep
Lauderdale	8,739	243	2,355	11

Table 4-250. Summary of Livestock Count Estimates in Lauderdale County. According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	2.27
Grass (Hayland)	0.37
Legumes, Grass (Hayland)	0.58
Legumes (Hayland)	0.65
Grass, Forbs, Legumes (Mixed Pasture)	2.40
Corn (Row Crops)	14.77
Cotton (Row Crops)	13.53
Soybeans (Row Crops)	13.51
Wheat (Close-Grown Cropland)	9.27
Other Vegetable and Truck Crops	4.00
Summer Fallow (Other Cropland)	8.70
Conservation Reserve Program Lands	1.79
Other Land in Farms	0.05
Farmsteads and Ranch Headquarters	0.09

Table 4-251. Annual Estimated Total Soil Loss in Subwatershed 080102080702.

4.2.H. 0801020808.

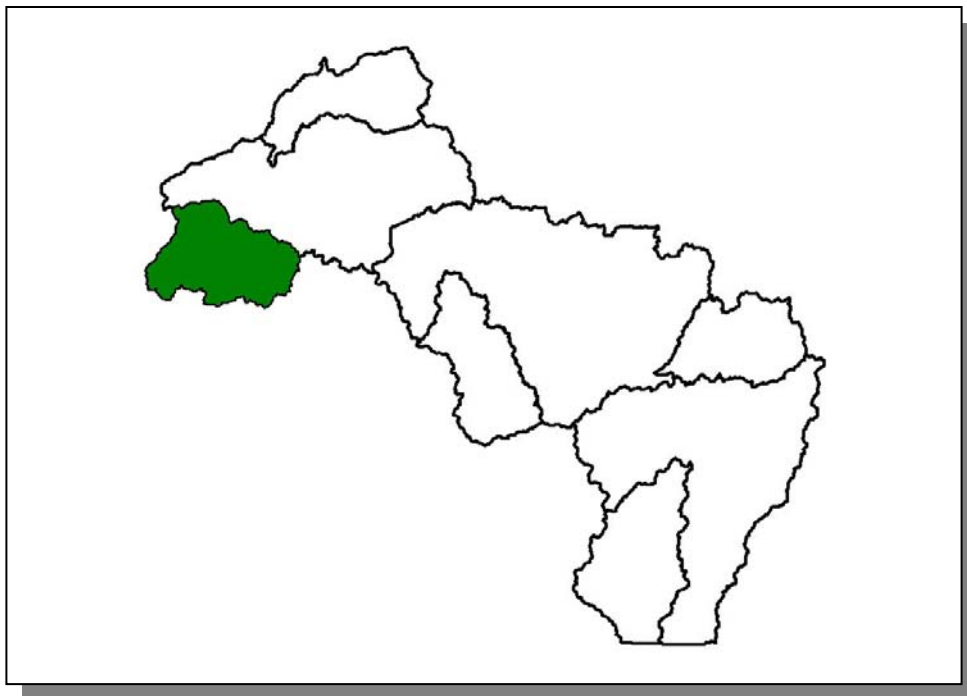


Figure 4-275. Location of Subwatershed 0801020808. All Hatchie River HUC-10 subwatershed boundaries in Tennessee are shown for reference.